(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 14 October 2004 (14.10.2004)

PCT

(10) International Publication Number WO 2004/086905 A1

(51) International Patent Classification7: // 7/04, 7/08

A46B 13/02

(21) International Application Number:

PCT/FI2004/000003

(22) International Filing Date: 8 January 2004 (08.01.2004)

(25) Filing Language:

Finnish

(26) Publication Language:

English

(30) Priority Data: 20030502

3 April 2003 (03.04.2003)

(71) Applicant (for all designated States except US): SAJAKO-RPI OY [FI/FI]; PL 725, FI-33101 Tampere (FI).

(72) Inventors: and

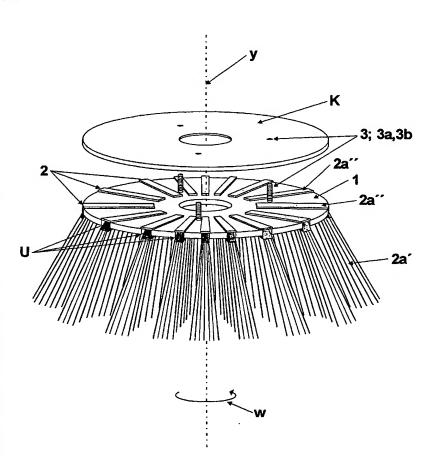
(75) Inventors/Applicants (for US only): KUIVIKKO, Reijo [FI/FI]; Insinöörinkatu 52 B 36, FI-33720 Tampere (FI).

SAJAKORPI, Kimmo [FI/FI]; Pyynikintori 37 C 23, FI-33230 Tampere (FI).

- (74) Agent: KANGASMÄKI, Reijo; Finnish Patent Consulting FPC, Hermiankatu 14, FI-33720 Tampere (FI).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: SIDE BRUSH



(57) Abstract: The invention relates to a side brush, which is adapted to be mounted on the body of a sweeping machine, for use as a brush rotatable (W) about a rotation axis (V), and which comprises a base element (1) and a plurality of individual bristle segments (2) detachably mountable thereto, having bristles (2a') included therein integrated for a solid unit with a frame member (2a") joining the same. The base element (1) comprises a substantially planar disc assembly which is provided integrally with a coupling system for coupling the bristle segments (2) therewith on a snap fit principle. The coupling system is implemented by means of elongated channels (U) disposed in the base element (1) in a substantially radial direction (R) and extending through the base element, opening all the way to the edge thereof, which enable coupling the bristle segments (2) immovably to the segment with the body of a sweeping machine by means of the base element (1) with fasteners (3) interconnecting the same, such as in a screw clamping or suchlike fashion.

WO 2004/086905 A1



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report